

Title (en)

Cross-linking agents for radiation cross-linking fluoropolymers.

Title (de)

Vernetzungsmittel zur Vernetzung von Fluorpolymeren durch Strahlung.

Title (fr)

Agents de réticulation pour réticuler des fluoropolymères par irradiation.

Publication

EP 0163825 A2 19851211 (EN)

Application

EP 85103137 A 19850319

Priority

US 59790884 A 19840409

Abstract (en)

The present invention is a radiation sensitizer or cross-linking agent having the formula <CHEM> wherein n is from 2 to 6; R1 is selected from H and methyl radicals; R2 is a diradical selected from the group consisting of alkylene, cycloalkylene, aralkylene, and arylene diradicals having from 1 to 16 carbon atoms; and X is a polyfunctional radical wherein the functional groups are selected from -O-, @NR, and mixtures thereof, the radical having from 1 to 6 functional groups. The radiation sensitizer is useful in fluoropolymer compositions. The present invention also includes a method comprising the step of irradiating a fluoropolymer composition. The composition can be melt processed followed by irradiation. The radiation sensitizer of the above composition is particularly stable during melt processing. Melt processing can include melt blending, such as extruder blending, and melt forming, such as wire coating.

IPC 1-7

C08L 27/12; **C08K 5/10**; **C08K 5/20**; **C08J 3/28**; **C07C 69/52**; **C07C 103/56**

IPC 8 full level

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C-Set (source: EP)

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Cited by

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